Finance (FINN)

Courses

FINN 510V. Special Topics in Finance. 1-3 Hour.
Explore current events, concepts and new developments relevant to practitioners of Finance not available in other courses. Topics vary depending on the instructor. Prerequisite: Graduate standing. (Typically offered: Fall and Spring)

FINN 5113. Corporate Financial Management. 3 Hours.
Financial analysis, planning and control; decision making and modeling for financial managers; and financial policies for management. (Typically offered: Spring)

FINN 5123. Valuing New Ventures. 3 Hours.
This course is for students who wish to begin careers in valuing new ventures with VCs and Angel funds, for investors interested in new ventures as an asset class, for members of startup teams who focus on acquiring and managing capital, and for R&D and innovation teams within existing large firms. The course will also add valuable techniques to those performing private equity valuations of growing firms or firms facing large strategic options, even if those firms are not technically startups. (Typically offered: Fall and Spring)

FINN 5133. Advanced Investments. 3 Hours.
Sound training in the principles of security analysis and portfolio management and certain advanced techniques of financial management. Modern portfolio theory and its application to portfolio management practices will be emphasized. Graduate degree credit will not be given for both FINN 4133 and FINN 5133. Prerequisite: FINN 3063. (Typically offered: Fall and Spring)

FINN 5173. Energy Finance and Risk Management. 3 Hours.
This course provides an advanced introduction to energy finance, defined as the application of finance principles to energy, energy service, and related industries, concerning all aspects of the energy value chain. Topics include: (1) physical fossil fuel markets; (2) physical electricity markets; (3) financially traded energy products; and (4) credit, counterpart, country, and enterprise risk. It also introduces students to business valuation and investment banking applications in the energy industry vertical. Prerequisite: FINN 5113 or FINN 5223. (Typically offered: Fall)

FINN 5213. New Venture Finance. 3 Hours.
The course is a deep dive into the legal contracting and governance issues around early stage financing. This course provides students with exposure to the startup finance ecosystem. Students will learn about the forms of early stage funding and the players offering those funding sources, how to prepare for due diligence when seeking funding, and the issues that arise about governance and control when seeking funding. (Typically offered: Fall)

FINN 5223. Financial Markets & Valuation. 3 Hours.
Analysis of financial information by capital markets in the determination of security values with specific applications to retail and logistics companies. This course views these and other companies from the point of view of the capital markets. (Typically offered: Spring) May be repeated for degree credit.

FINN 5233. Advanced Corporate Finance. 3 Hours.
Addresses complex and multifaceted issues and problems in financial decision-making. Graduate degree credit will not be given for both FINN 4233 and FINN 5233. Prerequisite: FINN 3603. (Typically offered: Irregular)

FINN 5243. Digital Innovation in Financial Markets. 3 Hours.
The evolving role and operations of financial markets and institutions in an increasingly digital-oriented economy. The impact of technological innovations such as blockchain, nonbank financial technology firms, and machine learning on markets as it relates to investors, firms raising capital, and financial entrepreneurs. (Typically offered: Irregular)

FINN 5303. Advanced Corporate Financial Management. 3 Hours.
Focus on financial policy issues using real situational cases. Topics include cost of capital, capital budgeting and long-term planning, value-based management, real options, as well as project financing and valuation. Prerequisite: FINN 5223. (Typically offered: Irregular)

FINN 5313. Advanced Commercial Banking. 3 Hours.
This course focuses on advanced risk management strategies commonly implemented at regional and large commercial banks. Topics include financial statement analysis of banks and holding companies, credit analysis of global cash flow, Basel III capital requirements and stress testing, interest rate risk measurement and management, and interest rate hedging with derivatives. (Typically offered: Fall and Spring)

FINN 5323. Financial Data Analytics I. 3 Hours.
This course introduces programming for financial data analysis, data representation and visualization using a modern programming language. The objective is to provide students a broad understanding of (1) the general principles and techniques of programming, (2) familiar with financial data and manipulation, (3) financial data processing, analyzing and visualization and (4) the computational applications of financial data. The course concludes with a project in which students apply their knowledge to implement and evaluate an algorithmic trading strategy. (Typically offered: Fall and Spring)

FINN 5333. Investment Theory and Management. 3 Hours.
Integration of theory, practice of investments with solution of individual and institutional portfolio management problems; Institute of Chartered Financial Analysts' Problems; variable annuity in estate planning. Prerequisite: FINN 5223. (Typically offered: Fall)

FINN 541V. Shollmier Investment Project. 1-3 Hour.
Provide students with the opportunity to design and apply complex investment strategies used in institutional portfolio management on the Shollmier MBA Fund that can involve fixed income and equity securities as well as derivatives. Students will use top down asset allocation models, bottom up security selection, and hedge fund strategies. Prerequisite: FINN 5223 and FINN 5333. (Typically offered: Fall and Spring) May be repeated for up to 9 hours of degree credit.

FINN 5433. Real Estate Finance and Investment. 3 Hours.
Consideration of professional aspects of the real estate field. Emphasis is placed upon finance techniques and investment analysis. The focus is on commercial real estate. Brokerage, property management, appraisal, property development and current problems are also addressed. Students prepare a feasibility study on a commercial development project. Graduate degree credit will not be given for both FINN 4433 and FINN 5433. Prerequisite: FINN 3933. (Typically offered: Spring)

FINN 5453. Advanced Financial Modeling. 3 Hours.
The course applies Business Intelligence (BI), Cloud, Artificial Intelligent (AI) tools to business data for financial analysis and modeling. Data handling and modeling make use of the latest BI platforms such as Microsoft Power BI and Tableau. (Typically offered: Fall and Spring)

FINN 550V. Independent Study. 1-3 Hour.
Permits students on an individual basis to explore selected topics in finance, with the consent of instructor. Graduate degree credit will not be given for both FINN 450V and FINN 550V. (Typically offered: Irregular)

FINN 6043. Finance Theory. 3 Hours.
Provides a conceptual understanding of key theoretical developments in the field of financial economics, including firm decisions under risk within a world of uncertainty. (Typically offered: Irregular)

FINN 6133. Seminar in Investment Theory. 3 Hours.
Study advanced literature in field investments, with special reference to theory of random walks, stock valuation models, portfolio management. (Typically offered: Spring)
FINN 6233. Seminar in Financial Management. 3 Hours.
Financial management of firm with emphasis on financial theory or firm, quantitative methods used in financial analysis, planning. (Typically offered: Irregular)

FINN 6333. Empirical Research in Finance. 3 Hours.
A study of recent empirically based research in finance. (Typically offered: Irregular)

FINN 6733. Seminar in Financial Markets and Institutions. 3 Hours.
Recent developments in the literature of financial markets and institutions. Participants will be involved in the extensive study of existing theories and empirical tests of the theories. (Typically offered: Irregular)

FINN 683V. Contemporary Issues in Doctoral Colloquium. 1-3 Hour.
To explore and evaluate contemporary research issues in finance. Course content to reflect the most recent developments in theory and empirical research methodologies. Prerequisite: Doctoral student status and instructor consent. (Typically offered: Fall, Spring and Summer) May be repeated for up to 18 hours of degree credit.

FINN 700V. Doctoral Dissertation. 1-18 Hour.
Doctoral Dissertation. Prerequisite: Candidacy. (Typically offered: Fall and Spring) May be repeated for degree credit.